| Index of Claims                       | Application No.   | Applicant(s)         |  |  |  |  |  |  |  |
|---------------------------------------|-------------------|----------------------|--|--|--|--|--|--|--|
|                                       | 10/017,578        | BRINKMAN, STEPHEN M. |  |  |  |  |  |  |  |
|                                       | Examiner          | Art Unit             |  |  |  |  |  |  |  |
|                                       | Bret C Hayes      | 3644                 |  |  |  |  |  |  |  |
| √ Rejected — (Through numer Cancelled | al) Non-Elected A | Appeal               |  |  |  |  |  |  |  |

|       |              | =        | Al           | lov                | we       | d        |          |              | ÷  |  | Restricted |          |          |          |               |          |          |          | 1        | lı       | nte      | rfer      | en | ce       |            | 0               |  | 0        | bje      | cte       | d              |          |           |               |
|-------|--------------|----------|--------------|--------------------|----------|----------|----------|--------------|--|--|------------|----------|----------|----------|---------------|----------|----------|----------|----------|----------|----------|-----------|----|----------|------------|-----------------|--|----------|----------|-----------|----------------|----------|-----------|---------------|
| Clain | aim Date     |          |              |                    |          |          | Claim Da |              |  |  |            |          | Date     | ite Ci   |               |          |          |          |          | aim      |          | Date      |    |          |            |                 |  |          |          |           |                |          |           |               |
|       |              | _        |              | Ţ                  |          |          | Γ        | Γ            | Π  | Γ  | 1          |          |          | Г        |               |          |          |          |          |          |          | П         | Ī  |          |            |                 |  |          |          |           |                |          |           |               |
| Final | Original     | 2/6/04   |              |                    |          |          |          |              |  |  |            | Final    | Original |          |               |          |          |          |          |          |          |           |    | Final    | Original   |                 |  |          |          |           |                |          |           |               |
|       | 1            |          |              |                    |          |          |          |              |  |  | 1          |          | 51       |          |               |          |          |          |          | _        |          | $\square$ |    |          | 101        |                 |  |          |          |           |                |          |           |               |
|       | 2            |          | _            | 4                  | _        |          | _        | <u> </u>     | <u> </u>   | _  | 1          |          | 52       | <u> </u> | _             | _        |          |          |          |          |          | Ш         | -  |          | 102        | _               | _  |          |          | Ш         | Ш              |          |           |               |
|       | 3            | _        | -4           | 4                  |          |          | ┞        | ┝            | ╁—   | ⊢  | -          |          | 53       | <u> </u> | <u> </u>      | _        |          |          | -        | _        | _        | Н         | -  |          | 103        | _               | $\dashv$   |          |          | $\square$ | Н              | Ш        | $\vdash$  | <del> </del>  |
|       | 4<br>5       |          | $\dashv$     | $\dashv$           | $\dashv$ |          | ⊢        | ┝            | ╁  | ┢  | 1          | _        | 54<br>55 | -        | -             | -        | -        | -        |          |          | -        | +         | ŀ  |          | 104<br>105 |                 | -+   | -        |          | $\dashv$  |                | $\vdash$ | $\vdash$  | ⊢             |
|       | 6            |          | $\dashv$     | +                  | $\dashv$ |          | $\vdash$ | ┢            | ╁  | $\vdash$   | 1          |          | 56       | -        | ┝             | -        | -        | -        | $\vdash$ |          | ├        | $\vdash$  | }  |          | 106        | <del></del>     | $\dashv$   | -        |          |           |                | Н        | $\vdash$  | ┢             |
|       | <del>7</del> | _        | $\vdash$     | $\dashv$           | -        |          |          | ┢            | ╁┈   |  | 1          | <u> </u> | 57       | $\vdash$ |               | $\vdash$ | -        |          | $\vdash$ |          | ┝        | $\vdash$  | ŀ  |          | 107        | ᆉ               | $\dashv$   | -        | _        | $\vdash$  | Н              | $\vdash$ | ┢         | ┢             |
|       | 8            |          | _            |                    | 寸        |          |          |              | T  |  | 1          | $\vdash$ | 58       |          | _             | _        |          |          |          |          | $\vdash$ |           | İ  |          | 108        | _               | $\dashv$   |          |          | $\neg$    | П              | П        | Г         | ┢             |
|       | 9            |          |              |                    |          |          |          |              | 1  |  | ]          |          | 59       | Π        | $\overline{}$ |          |          |          |          |          |          |           | ٦  |          | 109        |                 | 寸  |          |          | $\Box$    | П              | П        | Г         | Г             |
|       | 10           |          |              |                    |          |          |          | L            |  |  |            |          | 60       |          |               |          |          |          |          |          |          |           |    |          | 110        |                 |  |          |          |           |                |          |           |               |
|       | 11           |          |              | 4                  | _        |          | _        | _            | <u> </u>   | <u> </u>   |            |          | 61       |          |               |          |          |          |          |          | <u> </u> |           |    |          | 111        |                 |  |          |          |           |                |          |           |               |
|       | 12           |          | _            | $\dashv$           | _        | _        | <u> </u> | <u> </u>     | Ļ.   | ļ  |            |          | 62       |          |               |          |          | Щ        |          | _        | <u> </u> | Ш         | ŀ  |          | 112        | _               |  | _        |          |           | Ш              | Ш        |           | <u> </u>      |
|       | 13<br>14     |          | $\dashv$     | $\dashv$           | $\dashv$ |          |          | ├            | ├-   | <u> </u>   |            |          | 63<br>64 | -        | <u> </u>      | <u> </u> |          |          |          |          | <u> </u> | Н         | ŀ  |          | 113        | $\dashv$        | 4  | $\dashv$ | _        | $\dashv$  | $\vdash\vdash$ | $\vdash$ | l-        | <u> </u>      |
|       | 15           | _        | +            | +                  | $\dashv$ | -        | ⊢        | ┢            | ╁  | ├  | 1          | <u> </u> | 65       | _        | <del> </del>  | _        |          |          |          |          | ├        | $\vdash$  | ŀ  |          | 114<br>115 | $\dashv$        | -+   |          | _        | $\dashv$  | Н              | $\vdash$ | H         | ⊢             |
|       | 16           |          | +            | $\dashv$           | $\dashv$ |          | $\vdash$ | ┢            | -  | ┼─   | 1          | -        | 66       | -        | $\vdash$      | _        | -        |          |          |          | $\vdash$ | H         | H  |          | 116        |                 | -+   | $\dashv$ | -        | $\dashv$  | Н              | $\vdash$ | Н         | $\vdash$      |
|       | 17           |          | $\dashv$     | $\dashv$           | $\dashv$ |          |          | <del> </del> | 1-   | ┢  | 1          |          | 67       | $\vdash$ | -             | _        |          | _        | $\dashv$ |          | $\vdash$ | H         | h  |          | 117        | -+              | $\dashv$   | $\dashv$ | _        | $\dashv$  | Н              | Н        | H         | ┢╾            |
|       | 18           |          | 1            | $\dashv$           | T        |          |          |              | T  | <del>                                     </del> | 1          |          | 68       |          |               |          |          |          |          |          |          | H         | ı  |          | 118        | _               |  | _        |          | $\neg$    | П              |          | Г         | Ė             |
|       | 19           |          |              |                    |          |          | <u> </u> | T -          | Γ  |  |            |          | 69       |          |               |          |          |          |          |          |          |           | ı  |          | 119        | 寸               | 寸  |          |          | $\neg$    | П              |          |           | Г             |
|       | 20           |          |              |                    |          |          |          |              |  |  |            |          | 70       |          |               |          |          |          |          |          |          |           |    |          | 120        |                 |  |          |          |           |                |          |           |               |
|       | 21           |          |              | _                  | _        |          |          | <u> </u>     |  |  |            |          | 71       |          |               | _        |          |          |          |          |          | Ш         | L  |          | 121        |                 |  |          |          |           |                |          |           |               |
|       | 22           |          |              |                    |          |          |          |              | ╙  | <u> </u>   |            |          | 72       |          |               |          |          |          | $\Box$   | _        | L        | 1_1       | L  |          | 122        | _               | _  | _        |          | _         | Ш              | Ш        |           | <u> </u>      |
|       | 23<br>24     | -        | +            | $\dashv$           | $\dashv$ | _        | -        | $\vdash$     | ├  | ⊢  | -          | <u> </u> | 73       | H        |               |          | _        |          | -1       |          | -        | $\vdash$  | ŀ  |          | 123        | -               | $\dashv$   | $\dashv$ |          |           |                |          | L         | ⊢             |
|       | 25           |          | $\dashv$     | $\dashv$           | $\dashv$ |          | -        | ├-           |  | -  | ┨          |          | 74<br>75 | -        | -             |          |          |          | $\dashv$ |          |          | Н         | ŀ  |          | 124<br>125 | $\dashv$        | $\dashv$   | $\dashv$ |          | $\dashv$  |                | $\vdash$ | H         | ⊢             |
|       | 26.          |          | $\dashv$     | $\dashv$           | $\dashv$ |          | $\vdash$ | <u> </u>     | ╁  | <del>                                     </del> | 1          |          | 76       | $\vdash$ |               | -        |          |          |          |          |          | Н         | ┢  |          | 126        | $\dashv$        | $\dashv$   | $\dashv$ |          | -         | $\neg$         | $\dashv$ | $\vdash$  | $\vdash$      |
| 2     | 27           |          | 1            | 7                  | 寸        | _        |          | $\vdash$     | İ  |  | 1          |          | 77       | $\vdash$ |               |          |          |          |          |          |          | П         | F  |          | 127        | $\dashv$        | $\dashv$   | $\dashv$ |          | $\dashv$  | $\Box$         | $\neg$   |           | _             |
| 2     | 28           |          |              | T                  |          |          |          |              |  |  | 1          |          | 78       | Г        |               |          |          |          |          | _        |          | П         | r  |          | 128        | $\exists$       | $\neg$   | $\neg$   |          | $\neg$    | П              |          | $\vdash$  | $\overline{}$ |
| 2     | 29           |          |              |                    |          |          |          |              |  |  | ]          |          | 79       |          |               |          |          |          |          |          |          |           |    |          | 129        |                 |  |          |          |           |                |          |           |               |
|       | 30           | ✓        | _            | 4                  | $\perp$  |          |          | _            | L  | _  |            |          | 80       |          |               |          |          |          |          |          |          |           |    |          | 130        |                 |  |          |          |           |                |          |           |               |
|       | 31           | √        | -            | 4                  |          |          | _        | _            | <u> </u>   | <u> </u>   |            |          | 81       |          |               |          |          |          | _        |          |          | Щ         | L  |          | 131        | _               | _  | _        |          |           |                |          | Ш         | <u> </u>      |
|       | 32           | √        |              | +                  | $\dashv$ |          |          | $\vdash$     | ├  |  | ł          | _        | 82       |          | _             |          |          |          | -        |          |          |           | -  |          | 132        |                 | -  | _        | _        | _         | $\vdash$       |          | $\square$ | <b> </b>      |
|       | 34           | $\dashv$ | +            | +                  | $\dashv$ | _        | -        | -            | ┢  | ├  | 1          | -        | 83<br>84 | -        |               |          | -        |          |          | $\dashv$ |          | H         | -  |          | 133<br>134 | $\dashv$        | +  | $\dashv$ | -        |           |                |          | Н         | $\vdash$      |
| - 3   | 35           | $\dashv$ | +            | $\dashv$           | $\dashv$ | _        |          |              | ╁╌   | ├-   | 1          |          | 85       | _        | -             |          | -        | $\dashv$ | $\dashv$ | -        |          | Н         | -  |          | 135        | $\dashv$        | $\dashv$   | $\dashv$ | $\dashv$ | $\dashv$  | $\dashv$       |          | H         |               |
|       | 36           |          | -            | 寸                  | $\dashv$ |          |          |              | $\vdash$   |  | 1          |          | 86       |          |               |          |          | $\neg$   | $\dashv$ | $\dashv$ |          | $\vdash$  | -  |          | 136        | $\dashv$        | +  | $\dashv$ |          | $\dashv$  | $\dashv$       | $\dashv$ | $\vdash$  | $\vdash$      |
|       | 37           |          |              | 1                  | T        | _        |          |              |  |  | 1          |          | 87       |          |               |          | $\dashv$ |          |          |          |          | Н         | 上  |          | 137        | $\dashv$        | +  | 7        | $\dashv$ | $\dashv$  | $\dashv$       | $\dashv$ | -         | _             |
| 3     | 38           |          |              |                    |          |          |          |              |  |  | 1          |          | 88       |          |               |          |          | _        |          |          |          | П         | 上  |          | 138        |                 |  | T        |          | $\neg$    | $\neg$         | $\dashv$ | $\Box$    | Г             |
|       | 39           |          |              | $\Box$             |          |          |          |              |  |  |            |          | 89       |          |               |          |          |          |          |          |          |           |    |          | 139        |                 |  |          |          |           |                | コ        |           | П             |
|       | 10           | V        | $\perp$      | 4                  | _        |          |          |              | 匚  |  |            |          | 90       |          |               |          |          |          |          |          |          |           |    |          | 140        | $\Box$          |  |          | $\Box$   | $\Box$    | $\Box$         | $\Box$   |           |               |
|       | 1            | ✓        | 4            | 4                  | _        |          |          |              | _  |  |            |          | 91       |          | _             | _        | _        |          |          |          |          | Ш         |    |          | 141        |                 |  | _        |          | _         | $\Box$         | _        | Ш         |               |
|       | 13           | -        |              | +                  | $\dashv$ |          | _        | <u> </u>     | ├  |  |            |          | 92       |          | _             | -        |          |          |          |          |          | Ш         | -  |          | 142        | $\dashv$        | +  | _        | _        | _         |                | _        | Ш         |               |
|       | 14           | $\dashv$ | +            | +                  | $\dashv$ | -        | -        |              | $\vdash$   | <u> </u>   |            |          | 93<br>94 | $\dashv$ |               | $\dashv$ |          | -        | +        |          | _        | $\vdash$  | F  | $\dashv$ | 143<br>144 |                 | -+   | 4        | 4        | $\dashv$  | $\dashv$       | $\dashv$ | $\vdash$  | _             |
|       | 5            | -        | $\dashv$     | +                  | +        | -        | $\vdash$ | _            | <del> -</del>                                    |  |            |          | 95       | -        | $\dashv$      | $\dashv$ | $\dashv$ |          | -        | -        | -        | $\dashv$  | F  |          | 144        | $\dashv$        | +  | $\dashv$ | $\dashv$ | $\dashv$  | $\dashv$       | $\dashv$ |           | -             |
| 1 4   | 6            |          | +            | +                  | $\dashv$ | $\dashv$ |          | _            | $\vdash$   | -  |            |          | 96       | $\dashv$ | $\dashv$      | $\dashv$ | $\dashv$ | -        | $\dashv$ | -        |          | $\vdash$  | H  |          | 146        | +               | +  | $\dashv$ | $\dashv$ | $\dashv$  | -              | -        | $\dashv$  | $\vdash$      |
| 4     | 17           | 寸        | 十            | 十                  | 寸        | $\dashv$ | T        |              | <del>                                     </del> |  |            |          | 97       | $\neg$   | ᅱ             | _        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | -        | $\vdash$  | H  |          | 147        | $\dashv$        | $\dashv$   | $\dashv$ | ᅥ        | $\dashv$  | $\dashv$       | $\dashv$ | $\dashv$  | $\neg$        |
| 4     | 18           |          | ightharpoons | T                  |          |          |          |              |  |  |            |          | 98       |          |               |          |          | $\dashv$ | 寸        | 7        |          |           | r  |          | 148        | $\neg \uparrow$ | $\top$   | 7        | 7        | $\dashv$  | 1              | $\dashv$ | $\neg$    | _             |
| 4     | 9            |          | $\Box$       | I                  | $\Box$   |          |          |              |  |  |            |          | 99       |          |               |          |          |          |          |          |          |           |    |          | 149        |                 |  | J        | J        | ╛         |                |          | 二         |               |
| 5     | 0            | $\perp$  | ᆚ            | $oldsymbol{\perp}$ | $\bot$   |          |          |              |  |  |            |          | 100      | I        |               |          | [        |          | $\Box$   | $\Box$   |          |           |    | I        | 150        | $\Box$          | $\perp \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \!$ |          |          | $\Box$    | $\Box$         | $\Box$   | $\Box$    |               |